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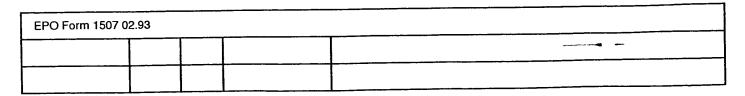
Rausch, Gabriele, Dr. Alcatel Intellectual Property Departmen 70430 Stuttgart ALLEMAGNE Term. Beart	8. JUN. 2003
Zeichen/Ref./Réf. 113 312	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 02360282.4 – –
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titula: ALCATEL	

COMMUNICATION

ine Europe	an Patent Office herewith transmits		
X	the European search report		
	the declaration under Rule 45 EPC		
	the partial European search report	t under Rule 45 EPC	
			nternational application under Article 157(2) EPC 1. Copies of the documents cited in the search report are
The following	ng specifications given by the applic	ant have been approved by	y the Search Division :
Ø	Abstract	Title	Figure
	The abstract was modified by the S	Search Division and the defi	finitive text is attached to this communication.
	The following figure will be publish the invention than the one indicate		the Search Division considers that it better characterises
	Figure:		Л
	Additional copy(copies) of the doc	uments cited in the Europea	an search report.

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





EUROPEAN SEARCH REPORT

Application Number EP 02 36 0282

Category	Citation of document with indicate of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
X	WO 01 73981 A (GEIGER (DE); SIEMENS AG (DE); 4 October 2001 (2001-1	FUERST CORNELIUS)	1-3	H04B10/155 H04L27/20	
	* abstract * * figure 2 *		0,7		
Y	EP 0 643 497 A (SIEMEN (US)) 15 March 1995 (19 * column 7, line 11 - 1 * column 9, line 4 - 1 * figure 2B *	995-03-15) line 16 *	6,7		
A	"An Electro-Optical Fi FREQUENCY OF A LASER BI UP OR DOWN BY AS MUCH A GIGAHERTZ" NASA TECH BRIEFS, SPRIN	EAM WOULD BE SHIFTED AS SEVERAL	1-3,6,7		
	September 2000 (2000-(XP002207638	99), pages 1-2,			
	* the whole document *			TECHNICAL FIELDS SEARCHED (Int.CI.7)	-
		• •••		H04B H04L	_
	The present search report has been dr	awn up for all claims			
	Place of search	Date of completion of the search		Examiner	1
·	THE HAGUE	19 March 2003	Revi	lle, L	1
X : partic Y : partic docum	TEGORY OF CITED DOCUMENTS ularly relevant if taken alone ularly relevant if combined with another nent of the same category ological background	T : theory or principle u E : earlier patent docur after the filing date D : document cited in the comment cited for our	ment, but publish he application other reasons		



CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search
report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-3, 6, 7

LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 02 36 0282

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-3,6,7

To generate an optical signal using an NRZ signal

2. Claims: 4,5,8,9

To generate an optical MSK signal using a first bipolar RZ signal and a second RZ signal

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 36 0282

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent docume cited in search re	nt port	Publication date		Patent family member(s)	Publication date
√O 0173981	Α	04-10-2001	WO	0173981 A1	04-10-2001
EP 0643497		15-03-1995	US AU AU CA EP JP	5400165 A 682527 B2 7280294 A 2122381 A1 0643497 A1 7154327 A	21-03-1995 09-10-1997 23-03-1995 11-03-1995 15-03-1995 16-06-1995